## INTERNATIONAL SEARCH REPORT

onal Application No PCT/IB 03/05573

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B17/00 G01F G01R31/28 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) HO4B G01R IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. Category ° 1 - 11X WO 02 13427 A (HENRIKSSON MARKKU ; NOKIA CORP (FI)) 14 February 2002 (2002-02-14) page 8, line 11 -page 9, line 24; figures 9,10 1-11 US 4 412 348 A (SUTPHIN JR ELDON M) Α 25 October 1983 (1983-10-25) column 1, line 67 -column 3, line 54; figure 1 1 - 11US 4 489 353 A (OHTSUKI ZENJU ET AL) Α 18 December 1984 (1984-12-18) column 1, line 12-22 column 3, line 43 -column 4, line 1 column 4, line 54 -column 5, line 13; figures 4,15,20 Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. document referring to an oral disclosure, use, exhibition or document published prior to the international filling date but later than the priority date claimed \*&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21/04/2004 6 April 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Ernst, C

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